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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> C12N 15/12, 15/24, C07K 14/47, 14/705, 16/28, 16/18, 16/24, G01N 33/68, C12Q 1/68, A61K 38/17, 38/20, 49/00, 31/70, 39/395	A2	<b>(11) International Publication Number:</b> WO 00/61754 <b>(43) International Publication Date:</b> 19 October 2000 (19.10.00)																					
<b>(21) International Application Number:</b> PCT/US00/09392 <b>(22) International Filing Date:</b> 7 April 2000 (07.04.00)  <b>(30) Priority Data:</b> <table border="0"> <tr> <td>60/128,514</td> <td>9 April 1999 (09.04.99)</td> <td>US</td> </tr> <tr> <td>Not furnished</td> <td>3 March 2000 (03.03.00)</td> <td>US</td> </tr> <tr> <td>Not furnished</td> <td>6 April 2000 (06.04.00)</td> <td>US</td> </tr> </table> <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications</b> <table border="0"> <tr> <td>US</td> <td>60/128,514 (CIP)</td> </tr> <tr> <td>Filed on</td> <td>9 April 1999 (09.04.99)</td> </tr> <tr> <td>US</td> <td>Not furnished (CIP)</td> </tr> <tr> <td>Filed on</td> <td>3 March 2000 (03.03.00)</td> </tr> <tr> <td>US</td> <td>Not furnished (CIP)</td> </tr> <tr> <td>Filed on</td> <td>6 April 2000 (06.04.00)</td> </tr> </table> <b>(71) Applicant (for all designated States except US):</b> CURAGEN CORPORATION [US/US]; 11th floor, 555 Long Wharf Drive, New Haven, CT 06511 (US).		60/128,514	9 April 1999 (09.04.99)	US	Not furnished	3 March 2000 (03.03.00)	US	Not furnished	6 April 2000 (06.04.00)	US	US	60/128,514 (CIP)	Filed on	9 April 1999 (09.04.99)	US	Not furnished (CIP)	Filed on	3 March 2000 (03.03.00)	US	Not furnished (CIP)	Filed on	6 April 2000 (06.04.00)	<b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> FERNANDEZ, Elma [US/US]; 77 Florence Road #2B, Branford, CT 06405 (US). VERNET, Corine [US/US]; 4830 N.W. 43rd Street P#253, Gainesville, FL 32060 (US). SHIMKETS, Richard [US/US]; 191 Lee Street, West Haven, CT 06516 (US).  <b>(74) Agent:</b> ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P. C., One Financial Center, Boston, MA 02111 (US).  <b>(81) Designated States:</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> Without international search report and to be republished upon receipt of that report.
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<b>(54) Title:</b> NOVEL HUMAN PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  <b>(57) Abstract</b> <p>The present invention provides novel isolated SECX polynucleotides and the membrane-associated or secreted polypeptides encoded by the SECX polynucleotides. Also provided are the antibodies that immunospecifically bind to a SECX polypeptide or any derivative, variant, mutant or fragment of the SECX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the SECX polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.</p>																							